

DISCLAIMER: These Standard Operating Procedures (SOP's) are for the exclusive use of Navy Public Works Center (PWC) Norfolk. They are promulgated as guidance for their NAVFAC Commands. If intended to be used by other activities, they must be tailored to each activity's particular requirements and must be reviewed/approved by the activity's safety professionals prior to use.

SOP FOR 480 VOLT SHIP DISCONNECT

Purpose:

PWC SOP for 480 volt ship connection.

Potential Energy Sources:

480 volt cable, ship backfeed, turtleback 120 and 480 volts.

Tools and PPE:

Nomex coveralls, electrical safety shoes, face shield, leather work gloves, hard hat, voltmeter, clamp on ampmeter.

Procedure:

1. Contact ship's electrician upon arrival.
2. If there are any problems or delays greater than 15 minutes contact work leader or WC 623 foreman.
3. Check cables at the turtleback with a clamp on ampmeter and identify cables with and without load.
4. At ship's electrician's command open shore power breakers.
Note: if the remote operators are located at the receptacles, wear all PPE and try to stand clear of receptacle.
5. Test and confirm, with a voltmeter, that power is secured to all cables.
6. Remove plugs from turtleback, securing covers to plugs with the micro switch lock. Close and secure covers to receptacles on turtleback. Wear work gloves. **(Ensure breakers not being used are left in the open position unless otherwise instructed by WC 623 supervisor)**
7. Supervise and assist the removal of shore power cables from ship. If a boom truck is used follow SOP for Boom truck operation. Coil cables neatly.
8. Fill out the ship connect/disconnect chit.